

Notice of Allowability

Application No.

09/729,390

Examiner

Trenton J. Roche

Applicant(s)

TAKAHARA ET AL.

Art Unit

2193

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to communications filed 22 February 2005.
2. ☒ The allowed claim(s) is/are 1-11.
3. ☒ The drawings filed on 19 December 2003 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
 - * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with B. Joe Kim on 31 May 2005. The Examiner's amendment was required to obviate any rejections under 35 U.S.C. § 102(b).

The application has been amended as follows:

Claim 12 has been canceled.

Response to Arguments

2. Applicant's arguments, see pages 7-12 of the remarks, filed 22 February 2005, with respect to claims 1-11 have been fully considered and are persuasive. The rejection of claims 1-11 under 35 U.S.C. § 102(b) has been withdrawn.

Allowable Subject Matter & Examiner's Statement of Reason(s) for Allowance

3. Claims 1-11 are allowed.
4. The following is an examiner's statement of reasons for allowance:

The closest found prior art of record, specifically, U.S. Patent 5,590,329 to Goodnow, II et al. (hereafter referred to as Goodnow), taken alone or in combination, fails to teach or reasonably suggest an apparatus for translating a source file including dynamic variables and static variables into object files in accordance with independent claim 1. Specifically, Goodnow does not teach *dynamic variable specifying means for specifying a target dynamic variable from the source file; area specifying means for specifying areas in a memory ensured in the case of the dynamic variable specified by the dynamic variable specifying means being development into the memory at the time of executing the load module; and initializing means for initializing areas specified by the area specifying means to a predetermined value, wherein the specified areas are determined by obtaining starting and ending addresses in an object file where an object code relating to the target dynamic variable is stored.* (claim 1). Similar limitations are recited in independent claim 11.

Instead, Goodnow is directed to a method for detecting memory access errors, such as array dimension violations and the reading of uninitialized memory. Goodnow provides this ability by initializing dynamically allocated memory with a hexadecimal value FFFA 5A5A, the value of which is utilized in the system of Goodnow to facilitate the detection of memory accesses to the allocated memory region. However, Goodnow does not disclose the ability to specify an area of memory for which dynamic variables should be specifically created by specifying starting and ending addresses in an object file which specifies where the target dynamic variables are to be stored. Rather, in Goodnow, the compiler is automatically allocating dynamic memory area, and the ability to specify a region for which dynamic variables are to be placed is not disclosed.

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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Trenton J. Roche whose telephone number is (571) 272-3733. The examiner can normally be reached on Monday - Friday, 9:00 am - 5:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kakali Chaki can be reached on (571) 272-3719. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Trenton J Roche
Examiner
Art Unit 2193

TJR


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